

# Mathematics 2003, Grade 8

## Mathematics Composite

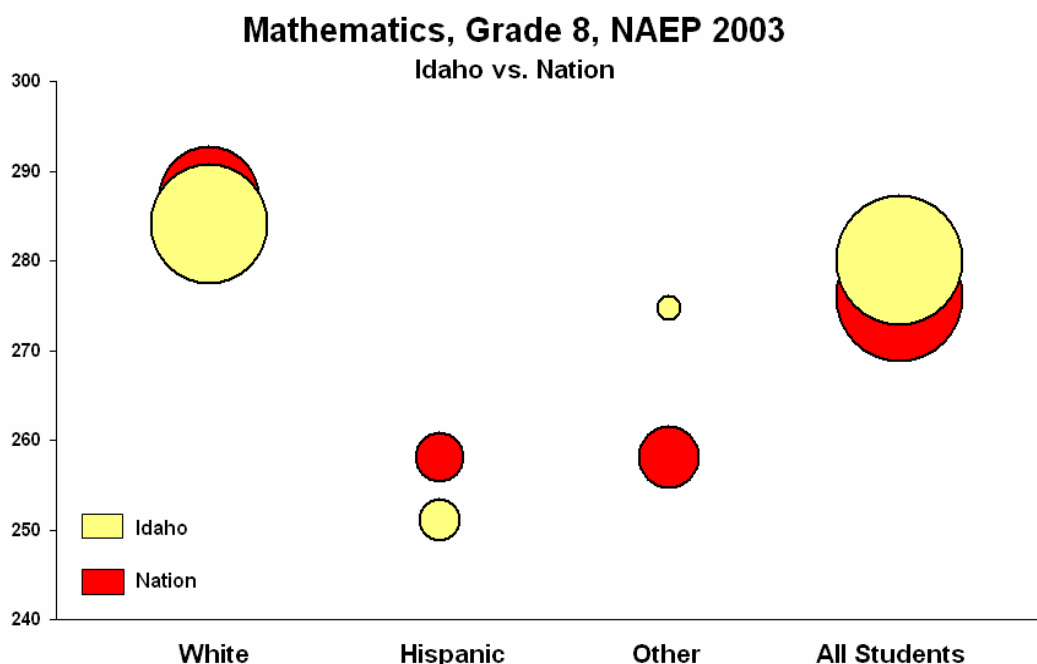


### Idaho NAEP Snapshot

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The Mathematics assessment of the National Assessment of Educational Progress (NAEP) used multiple-choice and constructed-response questions to examine student skills with number properties and operations, measurement, geometry, data analysis and probability, and algebra. The math scale ranges from 0 to 500, where 262 is a *Basic* performance, 299 is *Proficient*, and 333 is *Advanced*.

### Mathematics Average Scale Scores and Ethnic Group Size (Simpson's Paradox)



Source: National Center for Education Statistics, NAEP 2003

- ♦ On the 2003 mathematics assessment, Idaho 8th grade students had an average scale score (280) that was higher than their 8th grade peers nationwide (276).
- ♦ On the 2003 mathematics assessment, Idaho 8th graders who were White had a lower average scale score (284) than their national counterparts (287). Eighty-five (85) percent of Idaho's 8th grade students were White, and 62 percent of 8th graders nationwide were white.
- ♦ On the 2003 mathematics assessment, Idaho 8th graders who were Hispanic had a lower average scale score (251) than their national counterparts (258). Eleven (11) percent of Idaho's 8th grade students were Hispanic, and 15 percent of 8th graders nationwide were Hispanic.

Comparisons are based on statistical tests (.05 level) that consider magnitude of difference and standard errors.  
Visit <http://www.sde.state.id.us/naep/> for additional results and more information about Idaho NAEP.